



3743

Docket No. 211473US23

IN RE APPLICATION OF: Brian D. JAMES, et al.

SERIAL NO: 09/928,437

FILED: August 14, 2001

FOR: HEAT EXCHANGE REACTOR HAVING INTEGRAL HOUSING ASSEMBLY

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Transmitted herewith is an Amendment and Request for Reconsideration w/ Marked-Up Copy in the above-identified application.

- ☒ No additional fee is required
- ☐ Small entity status of this application under 37 C.F.R. §1.9 and §1.27 is claimed.
- ☐ Additional documents filed herewith:

RECEIVED

DEC 26 2002

TECHNOLOGY CENTER R3700

The Fee has been calculated as shown below:

CLAIMS	CLAIMS REMAINING		HIGHEST NUMBER PREVIOUSLY PAID	NO. EXTRA CLAIMS	RATE	CALCULATIONS
TOTAL	17	MINUS	20	0	x \$18 =	\$0.00
INDEPENDENT	1	MINUS	3	0	x \$84 =	\$0.00
		<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+ \$280 =	\$0.00
		TOTAL OF ABOVE CALCULATIONS				\$0.00
		<input type="checkbox"/> Reduction by 50% for filing by Small Entity				\$0.00
		<input type="checkbox"/> Recordation of Assignment			+ \$40 =	\$0.00
		TOTAL				\$0.00

☐ A check in the amount of \$0.00 is attached.☒ Please charge any additional Fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.☒ If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time may be charged to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

J. Derek Mason

Registration No. 35,270

John K. Pike, PH.D.

Registration No. 41,253



22850

Customer Number 22850
Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 10/01)

211473US-23



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :
FRANKLIN D. LOMAX JR. ET AL : EXAMINER: LEO, L. R.
SERIAL NO: 09/928,437 :
FILED: AUGUST 14, 2001 : GROUP ART UNIT: 3743
FOR: HEAT EXCHANGE REACTOR :
HAVING INTEGRAL HOUSING
ASSEMBLY

RECEIVED
DEC 26 2002
TECHNOLOGY CENTER R3700

AMENDMENT AND REQUEST FOR RECONSIDERATION

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Responsive to the Official Action dated October 4, 2002, please reconsider the above-identified application in view of the following amendments and remarks.

IN THE CLAIMS

Please cancel Claim 12.

Please amend the claims as follows:

1. (Amended) A heat exchange reactor, comprising:
at least one tube bundle comprising a plurality of tubes arranged substantially parallel to a common longitudinal axis and within an external pressure housing, said bundle comprising first and second ends in respective first fluid communication with at least one first fluid inlet and at least one first fluid outlet, and said external pressure housing comprising at least one second fluid inlet and at least one second fluid outlet;

Sub
B1

A